

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side		result set	
<i>DB=USPT; PLUR=YES; OP=OR</i>			
<u>L14</u>	L13 and insulin	0	<u>L14</u>
<u>L13</u>	spherical adj1 calcium adj1 carbonate	9	<u>L13</u>
<u>L12</u>	diabetes and spherical adj1 calcium adj1 carbonate	0	<u>L12</u>
<u>L11</u>	diabetes and porous adj1 calcium adj1 carbonate	1	<u>L11</u>
<u>L10</u>	l6 and crystal\$ adj5 carbonate	0	<u>L10</u>
<u>L9</u>	l6 and crystal adj5 carbonate	0	<u>L9</u>
<u>L8</u>	L6 and (porous or spherical) adj5 calcium adj1 carbonate	0	<u>L8</u>
<u>L7</u>	L6 and (porous or spherical) adj5 calcium	1	<u>L7</u>
<u>L6</u>	diabetes and insulin and (nasal or pernasal) and calcium adj1 carbonate	178	<u>L6</u>
<u>L5</u>	l3 and nasal	20	<u>L5</u>
<u>L4</u>	L2 and (porous or spherical) and calcium adj1 carbonate and nasal	20	<u>L4</u>
<u>L3</u>	L2 and (porous or spherical) and calcium adj1 carbonate	71	<u>L3</u>
<u>L2</u>	L1 and calcium adj1 carbonate	576	<u>L2</u>
<u>L1</u>	insulin and carrier and diabetes	4847	<u>L1</u>

END OF SEARCH HISTORY

**WEST****Freeform Search****Database:**

US Patents Full-Text Database  
US Pre-Grant Publication Full-Text Database  
JPO Abstracts Database  
EPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

**Term:**

diabetes and insulin and (nasal or pernasal) and  
calcium adj1 carbonate

**Display:**

10

**Documents in Display Format:**

CIT

**Starting with Number**

1

**Generate:** Hit List  Hit Count  Side by Side  Image

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**Search History**

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**DATE:** Sunday, July 14, 2002 [Printable Copy](#) [Create Case](#)

## WEST

## End of Result Set

  

L13: Entry 9 of 9

File: USPT

DOCUMENT-IDENTIFIER: US 4714603 A

TITLE: Spherically shaped precipitated calcium carbonate, its preparation and use

Brief Summary Text (5):

Precipitated calcium carbonate in spherical or globular form is known. In U.S. Pat. No. 3,304,154, for example, a finely divided precipitated calcium carbonate of generally spheroidal form is prepared by reacting a suspension of calcium hydroxide with carbon dioxide in a closed vessel at elevated temperature and pressure while rotating the vessel. In U.S. Pat. No. 3,848,059, spheroidal shaped reticulated precipitated calcium carbonate of 0.1 to 5 microns is prepared by the double decomposition of two water-soluble salts such as calcium chloride and potassium carbonate dissolved in water droplets of two water-in-oil emulsions. Nakahara et al, J. Chem. Soc. Japan, 5, 732 (1976), discloses the preparation of a globular or amorphous calcium carbonate by a similar interfacial reaction technique. Japanese Kokai No. 55-95617 discloses the preparation of globular-shaped calcium carbonate prepared by solution reaction of soluble calcium and carbonate salts at 70.degree. C. or below. Japanese Kokai No. 57-92520 purportedly prepares a spherical vaterite by a similar technique but in the presence of a divalent cation other than calcium, conversion of the vaterite to calcite being disclosed in Kokai 57-92521. Japanese Kokai No. 54-4300 prepares a fine spherical calcium carbonate by spraying a pressurized aqueous carbonate solution into an aqueous calcium salt solution, while Kamiya et al, Mat. Res. Bull., 12, 1095 (1977) discloses a calcium carbonate hydrate spherulite precipitated in a solution containing magnesium ion which decomposes in water to aragonite. Buehrer et al, J. Phys. Chem., 44, 552 (1940) discloses a distorted calcite in apparently globular form precipitated from solution in the presence of sodium hexametaphosphate. Such precipitation of calcium carbonate in the presence of sodium hexametaphosphate is also disclosed in U.S. Pat. Nos. 3,179,493, 4,018,877 and 4,244,933 as well as by Reitemeier et al, J. Phys. Chem., 44, 535 (1940). Of these precipitations, only U.S. Pat. Nos. 4,018,877 and 4,244,933 contemplate carbonating a lime slurry.

**WEST****End of Result Set**  

L11: Entry 1 of 1

File: USPT

DOCUMENT-IDENTIFIER: US 6210625 B1

TITLE: Method for producing granulated material

Detailed Description Text (15):

By the term "pharmaceutical material or substance" used herein are intended drugs for the central nervous system, drugs for allergic diseases (antihistamine), drugs for the circulatory organs, drugs for the respiratory organs, drugs for the digestive organs, hormone agents, drugs for metabolic disorders, antitumor substances, antibiotic substances, chemotherapeutic agents, and narcotics. The drugs for the central nervous system, for instance, include general anesthetics, soporifics/sedatives, antiepileptics, antipyretics/sedatives/antiphlogistics, drugs for psychoneurosis, drugs for the peripheral nervous system, local anesthetics, skeletal muscle relaxants, drugs for the autonomic nervous system, and spasmolytics. The drugs for the circulatory organs, for instance, include cardiacs, drugs for arrhythmia, diuretics, hypotensive drugs, vasodilating (hypertensive) drugs, angiodilatatorics, drugs for arteriosclerosis, and brain metabolism improvers. The drugs for the respiratory organs, for instance, include cough remedies, sputum removers, and bronchodilators. The drugs for the digestive organs, for instance, include drugs for peptic ulcers, digestives, antiacids, cholagogics, drugs for intestinal disorders, and antemetics. The hormone drugs, for instance, include pituitary body hormone drugs, thyroid hormones, antithyroid drugs, protein assimilation steroid drugs, adrenal cortical hormone drugs, androgen drugs, and female sex hormone drugs (estrogen drugs, luteal hormone drugs, etc.). The drugs for metabolic disorders, for instance, include vitamin drugs, drugs for bloods and body fluids, and drugs for treating gout and diabetes. The antibiotic drugs, for instance, include penicillin, cephalosporin, aminoglycosides, macrolides, tetracyclines, chloramphenicols, antimycotic antibiotics, and antitumor antibiotics. The chemotherapeutic agents, for instance, include sulfa agents, tuberculostats, and virucides.

Detailed Description Text (58):

The granulated ceramic product of the present invention, composed mainly of alumina, thoria, magnesia, zirconia or the like and so improved in heat resistance, provides a useful heat-resistant structural material or the like. The granulated ceramic product of the present invention, composed mainly of carbon, silicon carbide, boron nitride, aluminum nitride, sialon, mullite, cordierite, aluminum titanate or the like and so improved in corrosion resistance, provides a useful structural or electronic part material, etc. The granulated ceramic product of the present invention, composed mainly of potassium titanate fibers, porous calcium carbonate, mullite fibers, alumina fibers or the like and so improved in heat resistance, provides a useful heat-resistant or non-combustible material, etc. The granulated ceramic product of the present invention, composed mainly of beryllia, diamond, silicon carbide, aluminum nitride, boron nitride or the like and so improved in heat conductivity, provides a useful heat-releasing material, etc.